

5. The device according to claim 2, wherein said housing having a surface, which is provided with at least said second opening, facing said boundary surface.

7. The device according to claim 1, wherein sound-conducting means for deflecting and/or concentrating ultrasonic waves being provided inside said closed volume.

9. The device according to claim 7, wherein a funnel-shaped sound-conducting means being provided which leads said ultrasonic waves from said ultrasonic transducer to an opening in such a manner that said ultrasonic waves pass through said opening as unimpeded as possible by the gas flow.

10. The device according to claim 5, wherein said flow of gas passing through said opening facing said boundary surface flowing between the upper side of said housing facing said boundary surface and said boundary surface flowing radially in relation to said opening to the outside, with a vacuum developing which draws said housing toward said boundary surface to such a degree until a kind of gas cushion is created having a thickness at which the forces of attraction being created by said vacuum and the immanent forces of repulsion present due to the mass impulse of the flow of gas between said housing and said boundary surface are in equilibrium.